

Managing Emerging Contaminants Risks in Acquisition

A Practical and Proactive Approach

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(Installations and Environment) / Emerging Contaminants

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Mutual Benefit of Cooperation

Why EC is important to AQ

 EC is a tool for identifying and managing unacceptable programmatic or enterprise risks from EC

Why AQ is important to EC

- Because the materials and process decisions made during the acquisition process
 - » Can create a legacy of environmental compliance costs, basing constraints, foreign military sales challenges, industrial base costs, and cleanup liability
 - » Drives ~80% of DoD hazardous materials use and hazardous waste generation

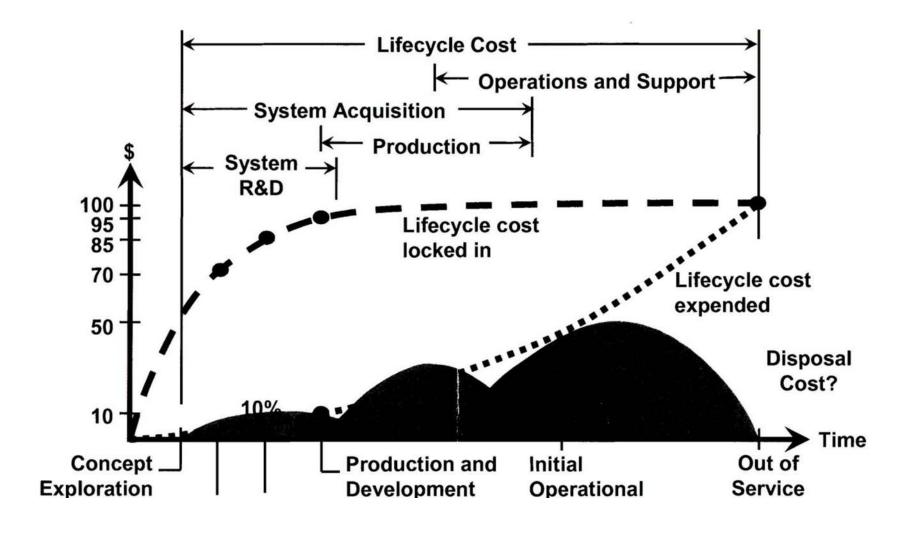
How EC can assist AQ

- Providing information to better manage programmatic and enterprise risk
- Working with industries to understand significance and use of Action List and not over react to Watch List

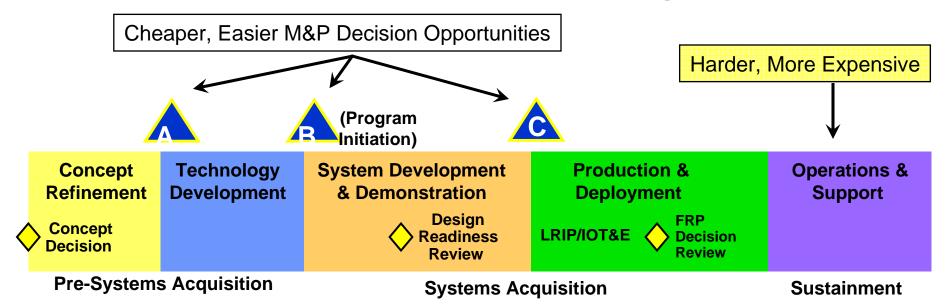
How AQ can assist EC

 Let us know what products and services would be most helpful to make M&P decisions to best manage risk

Percentage of Cost Locked In by Phase



Life Phase M&P Changes



- Early identification of potentially problematic materials and processes reduces life cycle costs, expands operational options
- \$2B annually being spent to cleanup materials that were all once emerging contaminants chosen pre milestone C

M&P Activities over Program Life

M&P Activities by Program Phases				
Concept Refinement	Technology Development	System Development and Demonstration	Production and Deployment	Operations and Support
<u>-</u>	-	Provide M&P Design Support and Materials and Processes Development information to support acquisi ailor products to meet needs a		Resolve M&P Problems need input
Identify Program Materials and Processes Require- ments Develop Subcontract or M&P Require- ments Identify Contamina- tion Control Req'ts	Prepare M&P Control Plan Revise M&P Selection List Support M&P Requirements and Trades Implement M&P Internal and Subcontract Control Programs Review Subcontractor Contamination Plans, Implementation	Support Product Teams	Support Product Teams	Support Product Teams Provide operations and industrial contamination Support Provide contamination analysis support

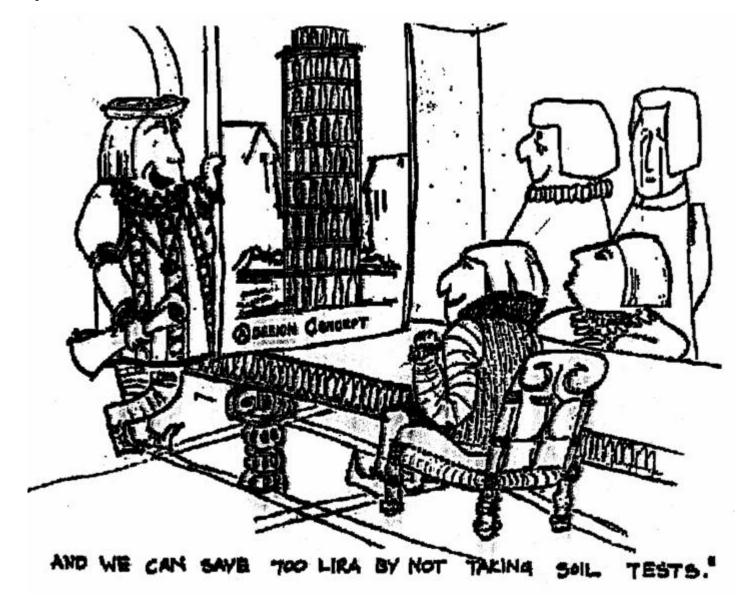
Successful Industry / Government Partnership

Single Process Initiative

- Historically successful
 - » Example of change for paint process
 - Needed to change 6000 drawings at an estimated cost of \$1500/drawing = \$9M
 - Utilized first "block change" to significantly reduce the cost to implement
- Current state?
 - » No DoD infrastructure to support SPI
 - » Management Councils no longer existent
- Industry still desires to use the vehicle
 - » Making little progress

Many successful models have been used

Importance of Caution in M&P Choices



EC Activities to Assist Acquisition and Industrial Base Issues

- Newsletter / Website / Phase I Assessments
- Cleaner, Safer Industrial Materials and Processes (CSIMP) Workshop
- Work with L&MR to harmonize date collection and reporting requirements for hazardous materials privatization contracts
- Work with DLA to collect data on materials purchases
- Senior M&P managers from Gov't and Industry working common problems
- Co-sponsored with ESTCP/SERDP the Hexavalent Chromium workshop
- Participation in the ACQ ESOH IPT to ensure EC issues considered in their products and deliberations.

Requires horizontal integration across DoD and partnership with private sector industrial base partners

DoD-Industrial Base Working Group on ECs

Task

 Collect and synthesize comprehensive information about material uses and alternatives to support informed decision making

Potential Membership

- DoD industrial policy
- Service acquisition commands (Systems Engineering & ESOH)
- DoD industrial facilities
- Defense Logistics Agency
- DoD material database resources
- Cognizant military authorities
- OEMs
- Providers of material management services

Need participation by M&P practitioners across all Services, Programs, applications and industrial base